

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT2004/000381

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/11 C12N15/85 A61K31/713

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	DENTI M A ET AL: "A new vector, based on the PolII promoter for the U1 snRNA gene, for the expression of siRNAs in mammalian cells" MOLECULAR THERAPY, ACADEMIC PRESS, SAN DIEGO, CA,, US, vol. 10, no. 1, July 2004 (2004-07), pages 191-199, XP004660550 ISSN: 1525-0016 the whole document ----- -/--	1-8

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the International search

20 December 2004

Date of mailing of the International search report

11/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Meacock, S

INTERNATIONAL SEARCH REPORT

In - lonal Application No
PCI/IT2004/000381

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SUI GUANGCHAO ET AL: "A DNA vector-based RNAi technology to suppress gene expression in mammalian cells." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. 16 APR 2002, vol. 99, no. 8, 16 April 2002 (2002-04-16), pages 5515-5520, XP002311179 ISSN: 0027-8424 cited in the application abstract; figure 1</p>	1-8
A	<p>YOUNG DE M B ET AL: "FUNCTIONAL CHARACTERIZATION OF RIBOZYMES EXPRESSED USING U1 AND T7 VECTORS FOR THE INTRACELLULAR CLEAVAGE OF ANF MRNA" BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, PA, US, vol. 33, no. 40, 11 October 1994 (1994-10-11), pages 12127-12138, XP000647772 ISSN: 0006-2960 page 12136; figure 3</p>	1-8
A	<p>PAUL C P ET AL: "EFFECTIVE EXPRESSION OF SMALL INTERFERING RNA IN HUMAN CELLS" NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 20, no. 5, May 2002 (2002-05), pages 505-508, XP001121066 ISSN: 1087-0156 cited in the application abstract; figure 1</p>	1-8
P,A	<p>XIA HAIBIN ET AL: "RNAi suppresses polyglutamine-induced neurodegeneration in a model of spinocerebellar ataxia." NATURE MEDICINE. AUG 2004, vol. 10, no. 8, August 2004 (2004-08), pages 816-820, XP002311180 ISSN: 1078-8956 page 817</p>	1-8

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IT2004/000381

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although Claim 8 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.